

## Product datasheet for **RC221684L4V**

### OVGP1 (NM\_002557) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	OVGP1 (NM_002557) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OVGP1
Synonyms:	CHIT5; EGP; MUC9; OGP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002557
ORF Size:	2034 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221684).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002557.3</a>
RefSeq Size:	2258 bp
RefSeq ORF:	2037 bp
Locus ID:	5016
UniProt ID:	<a href="#">Q12889</a>
Cytogenetics:	1p13.2
Protein Families:	Secreted Protein
MW:	75.4 kDa



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**Gene Summary:**

This gene encodes a large, carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites located within threonine, serine, and proline-rich tandem repeats. The gene is similar to members of the mucin and the glycosyl hydrolase 18 gene families. Regulation of expression may be estrogen-dependent. Gene expression and protein secretion occur during late follicular development through early cleavage-stage embryonic development. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions. [provided by RefSeq, Jul 2008]